

BORHIDI, A.

The phytogeographic distribution of Inner Somogy County and the vegetation of its sandy lands. p. 343.

A MAGYAR TUDOMANYOS AKADEMIA V. OSZTÁLYA BIOLOGIAI CSOPORTJÁNAK KÖZLEMÉNYEI.
Budapest, Hungary. Vol. 1, No. 3/4, 1958.

Monthly List of East European Accessions (EEIA) LC, Vol. 9, No. 1, Jan. 1960
Uncl.

BORHIDI, A.; JARAI-KOMLODI, M.

Vegetation of the nature conservation area of Balata Lake. In German.
Acta bot.Hung. 5 no.3/4:259-320 '59. (EEAI 9:5)

1. System.-Geobotanisches Institut der L.Eotvos Universitat, Budapest.
(Hungary--Natural monuments)

BORHIDI, Attila, dr., tudományos kutató (Budapest); J. Komlódi,
Magda, dr., egyetemi tanársegéd (Budapest)

The flora of the Lake Balata. Term tud közl 4 no. 11:
501-503 N '60.

BORHIDI, A.; SOO, Rezsó, prof.

Supplement to Ophrys studies; discovery of Ophrys apifera in the Buda Mountains. Acta bot Hung 8 no.3/4:241-242 '62.

1. System.-Geobotan.Institut der L.Eotvos Universitat, Budapest.
2. Redakteur, "Acta Botanica Academiae Scientiarum Hungaricae" (for Soo).

BORHIDI, Attila, Dr. (Budapest); SZIKURA, J. J. (Kiev)

The Yaila Mountains and their flora. Term tud kozl 5 (93) no.3:
117-119 Mr. '62.

HEJJAS, Imre [deceased]. BORHIDI, Attila (Budapest, VIII., Múzeum korut
4/a)

The flora of Csurgo and its vicinity. Botan kozl 48 no.3/4:245-
256 '60.

BORHIDI, A.

Coenology of the Fagion illyricum plant association. Pt. 1.
Acta bot Hung 9 no. 3/4 259-297 '63.

BORHOLA, Janos

Accident prevention, earthing, shock protection. Vasut 12
no.1:22-23 30 Ja '62.

TI

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741.53
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Eskalatory (Esculators, By) G. M. Borian, I. I. Ivashkov, I A. M.
Oleynik. Moskva, Mashgiz, 1955.

351 p. Illus., Diagr., Tables.
Bibliography: p. 350

ACC NR: AP8021282

SOURCE CODE: RU/0003/85/016/001/0040/0041

AUTHOR: Boriaru, E.--Boriaru, Ye.

ORG: Institute of Chemical Research, Bucharest (Institutul de cercetări chimice)

TITLE: Determination with a pH meter of the germanium in semiconductor wastes

SOURCE: Revista de chimie, v. 16, no. 1, 1965, 40-41

TOPIC TAGS: germanium compound, pyrocatechol, germanium semiconductor

ABSTRACT: The author describes a method for the determination of germanium which can be used in industrial production control as well as for the determination of germanium in the concentrate. The sensitivity of the method is 10^{-1} , and the accuracy ± 0.4 percent. The determination depends on the titration of pyrocatechol-germanic acid with sodium hydroxide after removal of interfering substances. Orig. art. has: 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: none / OTH REF: 001

Card 1/1 JS

BORIC, D. MILOSAVLJEVIC, I. PANTELIC, M.

Yugoslavia (430)

Science-Periodicals

Effect of qualitatively different alimentary diets on the secretory glands of the stomach. p. 145. Srpska akademija nauka. Institut za izucavanje ishrane naroda. ZBORNIK RADOVA. Beograd. (Transactions of the Institute for Research on People's Nutrition of the Serbian Academy of Sciences. Vol. 19, No. 1, 1952.

East European Accessions List. Library of Congress. Vol. 2, No. 6, June 1953. Unclassified.

BORIC, DUSAN.

Prilog resavanju problema pelagre i slika pelagre u Kosovsko-metohiskoj oblasti.
Beograd, 1953. 66 p. (Srpska akademija nauka. Posebna izdanja, knj. 208. Odeljenje
medicinskih nauka, knj. 5)

CtY Not in DLC

MEDICINE

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4
April 1959, Uncl.

BORIC, Dusan, prof. dr.

Problem of avitaminosis in the Kosovo-Metohija region. Bibl.Hig.
inst.Srbije no.5:9-15 '54.

1. Institut za isucavanje ishrane naroda Srpske akademije nauka.
(VITAMIN DEFICIENCY, epidemiology,
in Yugosl.)

med. Effects of qualitatively different diets on gastric secretion.
D. Borit, Milosavljević, and M. Patelić. *Bull. acad. serbe
sci.* 11, 101-8 (1954); *Excerpta Med.*, Sect. 11, 8, 1151
(1955).—The effects of a N-free diet (starch, sugar, fats,
salt, and fruit) were compared with those of a similar diet
supplemented by 60 g. skim-milk powder and of one contg.
184 g. of maize flour, with regard to the fasting acidity,
vol. of gastric contents, and change in acidity after admin-
istration of caffeine. The stimulant action of caffeine was
practically always followed by a large decrease of the acid
value. The maize diet appeared to have an inhibitory effect
on gastric secretion, except when it acted on a hyperacid
stomach. Milk showed a marked stimulant action on the
stomach, but this was only temporary. The N-free diet
had the least influence on gastric secretion. These findings
agree on the whole with those of Ruzenkov on animals.
K. I. C.

3

BORIC, Dusan, Prof., dr.

Problem of pellagra. Higijena, Beogr. 7 no.1-4:357-362
1955.

1. Institut za izucavanje ishrane naroda SAN, Beograd.
(PELLAGRA
(Ser))

BORIC, D.; VELISAVLJEV, M.; KOSTIC, K.

Allergic diseases among rural families of Serbia. Acta med. ingosl.
13 no.3:301-306 '59.

1. Section de la nutrition, Institut de recherches medicales,
Academie Serbe des Sciences, Belgrade.
(ALLERGY statist.)

BORIC, Dragica, dr.; KERNIC, Kresimir, dr.

Comparative clinical studies on oral cholecystography with
triiodinated and diiodinated contrast media. Liječn. vjesn.
83 no.3:231-238 '61.

1. Iz Zavoda za radiologiju Opće bolnice dra M. Stojanovica u
Zagrebu.

(CONTRAST MEDIA)

(CHOLECYSTOGRAPHY)

BORIC, Dragica, dr.; BASIC, Marko, dr.; MILIC, Nedeljko, dr.; SPAVENTI,
Sime, dr.; LUKOVIC, Gizela

Our experience with radiotherapy of lymphogranulomatosis. Lijecn.
vjesn. 83 no.8:783-788 '61.

1. Iz Zavoda za radiologiju, Odjela za unutarnje bolesti Opce bolnice
"Dra M.Stojanovica" i Skole narodnog zdravlja "A Stampar" u Zagrebu.
(HODKIN'S DISEASE radiother)

BORIC, D.; KOSTIC, K.

Nutrition and health status of the population of Pomoravlje.
Glas. Srpske akad. nauka, odelj. med. 248 no.16:103-110 '61.

(NUTRITION SURVEYS)

KOSUTIC, Zvonimir, dr.; BORIC, Dragica, dr.

Q fever with special reference to pulmonary changes. Lijecn. vjesn.
84 no.1:41-50 '62.

1. Iz Bolnice za zarazne bolesti i Zavoda za radiologiju Opce bolnice
"Dra M. Stojanovica" u Zagrebu.

(Q FEVER radiog) (LUNG DISEASES radiog)

BORIC, S.

Making the harness for the M30/47 vehicle. p. 938.

VOJNO-TEHNIKI GLASNIK. Beograd, Yugoslavia. Vol. 3, no. 12, Dec. 1955.

Monthly List of East European Accessions (EFAI) LC, Vol. 8, no. 9, Sept. 1959.

Uncl.

BORICH, G.

41 41/49T109

USSR/Radio Receivers
Public Address Systems

Mar 49

"An Automatic Receiver-PA Unit," G. Borich,
5 pp

"Radio" No 3

Diagram and operation of a three-station receiver-PA unit in which programs are changed automatically according to a prescheduled plan using an electronically wired clock. It has power of 25 watts, and receives wave lengths from 2,000 to 300 meters.

41/49T109

PA 42/49T95

BORICH, Z.

USSR/Radio Receivers
Public Address Systems

Apr 49

"Antenna Construction for Radio Receiver-PA
Systems," Z. Borich, 1 p

"Radio" No 4

Structure and wiring of a loop antenna mounted
on a wooden frame to be used with an outside
antenna in receiver-PA systems relaying long-
wave stations. Loop antenna may be rotated to
obtain more directional reception of a given
station.

42/49T95

BORICHEV, I. Ye.

BEGAK, B.A., redaktor; BORICHEV, I. Ye., inzhener, nauchnyy redaktor;
TOKER, A.M., tekhnicheskiy redaktor.

[Connecting and terminating wires and cables with aluminum strands;
directions for electricians] Soedinenie i okontsevanie provodov i
kabelei s al'uminievymi zhilami; instruktivnye ukazaniia dlia
elektromontazhnikov. Moskva, Gos. izd-vo lit-ry po stroitel'stvu
i arkhitekture, 1953. 95 p. (MLRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva.
(Aluminum--Welding) (Electric wire) (Electric cables)

S/137/61/000/011/047/123
AO60/A101

AUTHOR: Borichev, I. Ye.

TITLE:

PERIODICAL: Experience in the assembly of the electric equipment of mill "2500"
Referativnyy zhurnal, Metallurgiya, no. 11, 1961, 16, abstract 11D81
("Montazhn. i spetsializir. raboty v str-ve", 1961, no. 5, 14-17)
V-23

TEXT:

The electric equipment of mill 2500 differs considerably from the electric equipment existing in the USSR. Mill 2500 exceeds all operating mills of its type in rolling speed (12.1 m/sec), power of the stand motors, and the extent of automation. The total power of the electric current-consuming equipment of the mill constitutes 120 thousand kw. 1,600 electric motors with power 2.5 - 5,000 kw, 27 transformers with power 500 - 10,000 kva, 28 mercury rectifiers, 1,000 magnetic switchboards, 700 automation devices, 3,800 lights, etc are installed in the shop. The roughing stands of the mill are powered by synchronous motors of 4,600 kw, running at 428 rpm. A special feature of these electric motors is "point blank" starting directly from the busses of the 10 kva distributor of the substation. The planishing stands of the mill are powered by 500 kw d-c motors with velocity control. The abovementioned electric motors of

Card 1/2

Experience in the assembly ...

S/137/61/000/011/047/123
AO60/A101

the roughing and planishing stands of the mill, and also the compound transformers were constructed and used for the first time in the USSR. Germanium rectifiers, remote control, and automation are extensively used in the electric equipment of the mill. A self-adjusting device for controlling the strip thickness is installed on the mill. In order to reduce the installation time and to simplify the work carried out on the assembly platform, the plants of the electric industry were given orders for the construction of complete electrical units. The transformer substation was located directly in the shop instead of in a special room. Cradle bogies affixed to the girders under the cranes were used for installing the trolleys. Aluminum bus-bars were rolled up into coils which were transported to the site of installation and unrolled again for laying. An assembly pistol CMT-1 (SMP-1) was used for crimping terminals onto the cables, raising the working productivity by a factor of 10. A large number of conductors were laid in raceways instead of conduits. A hydraulic lift from the Tuapse factory was used a great deal in assembly operations.

A. Bulanov

[Abstracter's note: Complete translation]

Card 2/2

CA

Refining of highly acid hemp oil. A. Boricheva. *Moskva Zhurnal Khim. 15, No. 6, 10(1939).* The acidity of crude oil was reduced from 12-18 to 0.25-0.35 mg. KOH by treating it with the theoretical proportion of 16-17% Be. NaOH at 30° for 25-30 min. and adding 1% of solid NaCl at 50°. The stirring is continued for an addnl. 15-20 min., the settled oil is decanted from the soapstock and is washed 4-5 times at 85-100°. The refined oil is vacuum-dried at 90° for 3-4 hrs. The soapstock is stored with 5% of cryst. NaCl at 65° and the oil is recovered as above. Chas. Blanc

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ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

KELER, E.K.; BLUVSHTEYN, M.N.; BORICHEVA, V.N.; GREHENNIKOVA, Z.Ye.

New device and method of tensile testing refractories at
high temperatures. Ogneupory 28 no.7:312-317 '63.
(MIRA 16:9)

1. Vsesoyuznyy institut ogneuporov.

BLUVSHTEYN, M.N.; BORICHEVA, V.N.; Primali uchastiye: ALEKSEYEVA, A.N.;
GREBENNIKOVA, Z.Ye.; PETROVA, Ye.V.; ZADVORNOVA, Ye.G.; AYZENBERG, A.S.;
YAKOVLEVA, V.S.

Zonal changes in the properties of magnesite bricks after service
in the crown of open hearth furnaces. Ogneupory 28 no.9:413-418
'63. (MIRA 16:10)

1. Vsesoyuznyy institut ogneuporov.

BORICHEVA, V.N.

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957, 112-1-148 D
p.20 (USSR)

AUTHOR: Boricheva, V.N.

TITLE: Investigating the Electric Conductivity of Certain
Simple Silicate Glasses in a Wide Temperature Interval
(Issledovaniye elektroprovodnosti nekotorykh prostykh
silikatnykh stekol v shirokom intervale temperatur)

ABSTRACT: Bibliographic entry on the author's dissertation for
the degree of Candidate of Technical Sciences, presented
to the Leningrad Technological Institute imeni Lensovet,
(Leningr. tekhnol. in-t im. Lensoveta), Leningrad, 1956.

ASSOCIATION: (Leningr. tekhnol. in-t im. Lensoveta, Leningrad).

Card 1/1

BLUVSHTEYN, M.N.; BORICHEVA, V.N.; Prinimali uchastiye: MAKARYCHEVA,
S.I.; GREBENNIKOVA, Z.Ye.

Elastic and thermal properties of magnesite-chrome brick used
in the dome of an ~~open~~-hearth furnace and artificially im-
pregnated with iron oxide. Ogneypory, 26 no.8:373-379 '61.
(MIRA 14:9)

1. Vsesoyuznyy institut ogneuporov.
(Magnesite) (Firebrick) (Open-hearth furnaces)

ACCESSION NR: AR4015662

S/0081/63/000/021/0335/0335

SOURCE: RZh. Khimiya, Abs. 21M35

AUTHOR: Keler, E. K.; Bluvshiteyn, M. N.; Boricheva, V. N.; Grebennikova, Z. Ye.

TITLE: New equipment and an improved procedure for tensile strength tests of refractory materials at high temperatures

CITED SOURCE: Tr. Vses. gos. in-ta nauchno-issled. i proyekt. rabot ogneuporn. prom-sti, vy* p. 34, 1963, 193-209

TOPIC TAGS: refractory material, refractory material tensile strength, tensile strength test, high temperature tensile strength, high temperature tensile strength tester

ABSTRACT: New and improved equipment was constructed and introduced to industrial practice, and a procedure was developed for high temperature tests (up to 1700C) of refractory materials for tensile strength. Experimental data were obtained on the tensile strength of fireclay, magnesite, magnesiochromite, Dinas brick and non-fired refractories. The curves from repeat experiments were noted to show good coincidence. Bibl. with 11 references. Authors' summary.

Card 1/1 DATE ACQ: 09Dec63

SUB CODE: MA

ENCL: 00

KELER, E.K., doktor tekhn. nauk; BLUVSHTEYN, M.N., kand. tekhn. nauk; BORICHEVA,
V.N., kand. tekhn. nauk; GREENNIKOVA, Z.Ye., inzh.

New equipment and improved methods of high temperature testing of the
tensile strength of refractories. Trudy Inst. ogneup. no.34:193-209 '63.
(MIRA 17:10)

BORICHEVSKIY, Timofey Stepanovich; MATANOV, Vyacheslav Petrovich;
PYZHEVICH, Leonid Mikhaylovich; SHCHUKIN, S.M., dotsent,
retsensent; BOL'SHAKOV, B.N., red.; CHERNOVA, Z.I., tekhn.red.

[Collection of exercises in projection drawing] Sbornik zadaniy
po proektsionnomu chercheniyu. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1960. 135 p. (MIRA 13:12)
(Projection)

BORICI, M.

The importance of good roads and railroads in mining.

p. 13 (Teknika) Vol. 4, No. 4, July/Aug. 1957. Tirane, Albania.

SO: Monthly Index of East European Accessions (EEAI) LC, - Vol. 7, No. 1, Jan. 1958

BORICHKA, Ye.

Determining the altitude of an artificial satellite basing only
on the observation of celestial coordinates and their derivatives
in time. *Eksp. sta. opt. nabl. isk. sput. Zem.* no. 27:31-36 '62.

(MIRA 15:12)

1. *Astronomicheskaya observatoriya Varshavskogo universiteta*
Pol'skaya Narodnaya Respublika.

(Artificial satellites—Tracking)

POMIN, O. ~~B.~~, BORISZHOVSKYY IF. I.

Amaryllidaceae

Amaryllis family - Amaryllidaceae Lindl. Flora URSR 3, '50

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED.

KHARITONOV, V.M.; SMIRNOVA, G.L.; KUDRYASHOV, S.A.; MALAFEYEV, L.A.;
BORIK, A.G.

Methods for removing polyamide resin from spinnerets. Khim.volok.
no.6:58-59 '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut steklyanogo volokna (for Kharitonov, Smirnova, Kudryashov, Malafeyev).
2. Klinskiy kombinat (for Borik).
(Spinning machinery)

BORIK, A.G.

Introduction of new equipment and modern technology. Khim.volok.
no.3:20-22 '62. (MIRA 16:2)

1. Klinskiy kombinat iskusstvennogo volokna.
(Klin--Textile fibers, Synthetic)

USENKO, V.A.; SAIDMURATOV, S.; BORIK, A.G.

Effect of the properties and structure of initial capron
filaments on the qualitative indices of elastic yarn. Khim.
volok. no.3:56-59 '62. (MIRA 16:2)

1. Moskovskiy tekstil'nyy institut (for Usenko, Saidmuratov).
2. Klinskiy kombinat iskusstvennogo volokna (for Borik).
(Nylon--Testing)

KHARITONOV, V.M.; SMIRNOVA, G.L.; KUDRYASHOV, S.A.; BORIK, A.G.;
KHARITONOVA, G.N.; TOROPOVA, Ye.G.

Capron fibers with nonround cross section. Khim.volok.
no.5:49-51 '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy insitut
steklyanogo volokna (for Kharitonov, Smirnova, Kudryashov).
2. Klinskiy kombinat iskusstvennogo i sinteticheskogo
volokna (for Borik, Kharitonova, Toropova).
(Nylon)

BORIK, ALEKSANDR, GALASHIVICH

ANUCHIN, Sergyey Andreyevich; *BORIK, Aleksandr Galashivich*; SHAKHOVA, Nina Vasil'yevna; KUKIN, G.N., doktor tekhnicheskikh nauk, professor, retsenzent; BEKETOVA, Ye.M., redaktor; EL'KINA, E.M., tekhnicheskiiy redaktor

[Design and servicing of twisting machines used in caprone manufacture] Ustroistvo i obsluzhivanie krutil'nykh mashin kapronovogo proizvodstva. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva promyshlennyykh tovarov shirokogo potrebleniia SSSR, 1954. 99 p.
(Spinning machinery) (MLRA 7:10)
(Nylon)

TOKAREVA, L.G.; MIKHAYLOV, N.V.; POTEMKINA, Z.I.; KOVALEVA, M.V.;
BORIK, A.G.; ZEMSKOVA, G.N.; ZOTOVA, Ya.E.

Stabilization of polyamide fibers. Khim.volok. no.3:15-21 '61.
(MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Tokareva, Mikhaylov, Potemkina, Kovaleva). 2. Klin'skiy kombinat (for Borik, Zemskova). 3. Mytishchinskiy zavod (for Zotova).

(Textile fibers, Synthetic)

BORIK, E., inz.; SUSTEK, J., inz.; ZIZKA, J., inz., dr.

Efficiency of foam dust suppressors in slag mills of the mines
"Zelezne doly a hrudkovny Masek". Rudy 10 no.9:319-321 S '62.

1. VUKSB, Praha.

BORIK, Otakar, MUDr.

Inhalation treatment of non-specific inflammation of the upper respiratory tract. Cesk. otolar. 5 no.1:35-38 Feb 56.

1. Z Kliniky nemocni usnich, nosnich, krcnich v Plzni, prednosta prof. Dr. F. Kotyza.

(RESPIRATORY TRACT, dis.

inflamm. of upper tract, ther., mineral water inhalation. (Cz))

(MINERAL WATER, ther. use.

upper resp. tract inflamm., inhalation ther. (Cz))

BORIK, Otokar, MUDr.

Intranasal premedication. Cesk. otolar. 5 no.3:148-151
May 56.

1. Z kliniky nemoci usnich, nosnich a krcnich lek. fak KU
v Praze, pobočka v Plzni, prednosta prof. Dr. F. Kotzysa.
(OTORHINOLARYNGOLOGY, anesthesia and analgesia,
premedication, intranasal (Cs))
(ANESTHESIA,
premedication, intranasal, in otorhinolaryngol. surg. (Cs))

BORIK, Otakar, MUDr.

Intranasal administration of pilocarpine and of diuretics.
Cesk. otolar. 5 no.5:285-289 Oct 56.

1. Z kliniky nemoci usnich, nosnich a krcnich lekarske fakulty
v Plzni, prednosta prof. Dr. F. Kotyza.

(PILOCARPINE, administration,
intranasal (Cz))

(DIURETICS, administration,
intranasal (Cz))

BORIK, Otakar (Stehlikova 4, Plzen)

~~Experience of an anesthesiologist with laryngectomies.~~ Cesk. otolar.
8 no.1:50-54 Feb 59..

1. Klinika nemoci, usnich, nosnich a krcnich v Plzni, prednosta prof.
dr. F. Kotyza.

(LARYNX, surg.

excis., anesthesiol. (Cz))

BORIK, O.; VACH, S.

New drugs in otolaryngology (Preliminary report). Cesk.otolar.
9 no.5:313-318 0'60.

1. Klinika nemoci usnich, nosnich a kronich lek. fakulty University
Karlovy, pobočka v Plzni, prednosta prof.dr. F. Kotyza. Krajsky
ustav narodniho zdravi v Plzni.
(OTORHINOLARYNGOLOGY ther)

BORIK, O.

Our experience with scopolamine and with various methods of its administration. Cas.lek.cesk.99 no.37:1177-1179 9 S'60.

1. Klinika nemoci usnich, nosnich a krenich lek. fakulty University
Karlovy v Plzni, prednosta prof.dr. F.Kotysa.
(SCOPOLAMINE ther)

BORIK, O.; BORIKOVA, J.

The student years of Kutvirt in Plzn. Cesk. otolar. 10 no.4:249-255
Ag '61.

1. Klinika nemoci usnich, nosnich a krenich lekarske fakulty KU v
Plzni, prednosta prof. dr. F. Kotyza.

(BIOGRAPHIES)

HAVLIK, J.; BORIK, O.; FIDLER, J.; HOREJSI, P.

Hemophilia as a cause of respiratory obstruction. Cesk. pediat. 17
no.11:1000-1004 N '62.

1. Detske oddeleni OUNZ v Karlovych Varech, prednosta dr J. Fidler
Otolaryngologicka oddeleni OUNZ v Karlovych Varech, prednosta dr.
O. Borik.

(HEMOPHILIA)

(RESPIRATORY INSUFFICIENCY)

Winn, J.

Esophageal stenosis treated by endoscopy. Czech. otolaryng. 13
no.4:197-197 1974.

1. Stála ryngologické oddelení nemocnice v Jaroslavi Várecké
(včetně 1974. Č. Borik, 1974).

L 31065-66 EWP(c)/EWP(k)/EWP(h)/1/EWP(1)/EWP(2)/EWP(3)/EWP(4)/EWP(5)/EWP(6)/EWP(7)/EWP(8)/EWP(9)/EWP(10)/EWP(11)/EWP(12)/EWP(13)/EWP(14)/EWP(15)/EWP(16)/EWP(17)/EWP(18)/EWP(19)/EWP(20)/EWP(21)/EWP(22)/EWP(23)/EWP(24)/EWP(25)/EWP(26)/EWP(27)/EWP(28)/EWP(29)/EWP(30)/EWP(31)/EWP(32)/EWP(33)/EWP(34)/EWP(35)/EWP(36)/EWP(37)/EWP(38)/EWP(39)/EWP(40)/EWP(41)/EWP(42)/EWP(43)/EWP(44)/EWP(45)/EWP(46)/EWP(47)/EWP(48)/EWP(49)/EWP(50)/EWP(51)/EWP(52)/EWP(53)/EWP(54)/EWP(55)/EWP(56)/EWP(57)/EWP(58)/EWP(59)/EWP(60)/EWP(61)/EWP(62)/EWP(63)/EWP(64)/EWP(65)/EWP(66)/EWP(67)/EWP(68)/EWP(69)/EWP(70)/EWP(71)/EWP(72)/EWP(73)/EWP(74)/EWP(75)/EWP(76)/EWP(77)/EWP(78)/EWP(79)/EWP(80)/EWP(81)/EWP(82)/EWP(83)/EWP(84)/EWP(85)/EWP(86)/EWP(87)/EWP(88)/EWP(89)/EWP(90)/EWP(91)/EWP(92)/EWP(93)/EWP(94)/EWP(95)/EWP(96)/EWP(97)/EWP(98)/EWP(99)/EWP(100)

ACC NR: AP6022547 SOURCE CODE: CZ/0031/66/014/002/0114/0120 28
AUTHOR: Borik, Vaclav--Borzhik, V. (Engineer); Sykora, Lubomir (Engineer) B
ORG: VZKG, n.p., Ostrava
TITLE: Progressive technique in the production of heavy workpieces 14
SOURCE: Strojirenska vyroba, v. 14, no. 2, 1966, 114-120
TOPIC TAGS: production engineering, fabricated structural metal
ABSTRACT: The article describes in its main features a new progressive technique for the single-item production of components of a slabbing mill at the VZKG, where the technique has also proved itself in other heavy production. Orig. art. has: 9 figures. [JPRS]
SUB CODE: 13 / SUBM DATE: none/ ORIG REF: 004/

UDC: 621.944.3-412
621.9:621.81:183.2

Card 1/1 C C

DZENS-LITOVSKIY, A. I. and SCRIBIN, N. G.

"Muddy Bald Mountains of Priel'ton," Dok. AN, 56, No. 4, 1947

BORIKHINA, M. G.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

9
③ math
Accumulation of gutta and resin in the *Eucommia* leaves during vegetation. A. R. Guseva and M. G. Borikhina (A. N. Bakh Biochem. Inst., Acad. Sci. U.S.S.R., Moscow). *Doklady Akad. Nauk S.S.S.R.* 93, 871-8 (1953). The leaves of *Eucommia* sp. gradually accumulate gutta from June until August, after which a sharp rise sets in, particularly in September when some 30-50% of the total is accumulated. In the last 3 months of vegetation the gutta level does not change appreciably. The resin content of the leaves rises from June to August, remains const. in September, then declines. Ash, SiO_2 , and Ca increase in their concn. in the leaves during vegetation; P and K remain nearly const., but total N and aucubin content decline strongly near the end of vegetation. G. M. K.

10-8-54

BORIKHINA, M. G.
USSR/ Biology - Biochemistry

Card 1/1 Pub. 22 - 21/40

Authors : Guseva, A.R., and Borikhina, M.G.

Title : Guttapercha and carotinoid content in Eucommia leaves in connection with their fall-color

Periodical : Dok. AN SSSR 99/3, 419-420, Nov 21, 1954

Abstract : The parallelism between the carotinoid and guttapercha contents in Eucommia leaves, and the polyisoprene structure of their mutual source, were established. The possibility of a single source for the synthesis of various polyisoprene compounds is discussed. The direct connection existing between the carotinoids and guttapercha in Eucommia leaves is explained. The carotinoid content in golden-yellow Eucommia autumn-leaves is much lower than the guttapercha content and a general competition between them is quite possible. Seven references: 5-USSR; 1-French and 1-Swiss (1930-1953). Tables.

Institution : Academy of Sciences USSR, The A.N. Bakh Institute of Biochemistry

Presented by : Academician A.I. Oparin, September 2, 1954

U.S.S.R.

The determination of chlorogenic acid and the dynamics of the accumulation of chlorogenic acid and of gutta in the leaves of *Eucommia*. A. R. Guseva and M. G. Borikhina (Inst. Biochem. Acad. Sci. U.S.S.R., Moscow). *Biohimiya* 20, 100-8(1955); cf. *C.A.* 48, 5297i.—The content of chlorogenic acid in the leaves of *Eucommia* goes up to 3-4% in September. It remains const. throughout the vegetative period and even in the falling leaves. The same is true of the accumulation of gutta. The quantity of chlorogenic acid in the leaves of *Eucommia* is no dependable indicator of the quantity of gutta present in them. B. S. Levine.

GUSEVA, A.R.; BORIKHINA, M.G.

Defoliation of *Eucommia* leaves. Vest. AN SSSR 26 no. 4: 39-40 Ap.
'56. (Eucommia) (MIRA 9:7)

GUSEVA, A.R., BORIKHINA, M.G.

Determining coenzyme A in higher plants by acetylating the amide of the sulfanilic acid [with summary in English]. Biokhimiia 23 no.2:291-295 Mr-Apr '58 (MIRA 11:6)

1. Institut biokhimii im. A.N. Bakha AN SSSR, Moskva.

(COENZYMES,

a, determ. in plants by acetylation of sulfanilamide by plant extracts (Rus))

(SULFANILAMIDE, metabolism

acetylation by plant extracts in determ. of coenzyme A activity of plant (Rus))

(PLANTS,

coenzyme A activity, determ. of acetylation of sulfanilamide by plant extract (Rus))

GUSEVA, A.R.; BORIKHINA, M.G.; PASESHNICHENKO, V.A.

Use of acetate in the biosynthesis of chaconine and solanine in
potato sprouts. Biokhimiia 25 no.2:282-284 Mr-Apr '60.

(MIRA 14:5)

1. Institut biokhimii im. A.N.Bakha Akademii nauk SSSR, Moskva.
(SOLANINE) (CHACONINE) (ACETATES)

GUSEVA, A.R.; PASESHNICHENKO, V.A.; BORIKHINA, M.G.

Mevalonic acid as the precursor of some polyisoprene compounds in plants. Dokl.AN SSSR 133 no.1:228-229 J1 '60.
(MIRA 13:7)

1. Institut biokhimii imeni A.N.Bakha Akademii nauk SSSR.
Predstavleno akademikom A.I.Oparinyam.
(MEVALONIC ACID) (PLANTS--METABOLISM) (ISOPRENE)

GUSEVA, A.R.; PASESHNICHENKO, V.A.; BORIKHINA, M.G.

Synthesis of radioactive mevalonic acid and its use for the study of the biosynthesis of steroid, glycoalkaloids in Solanum. Biokhimiia 26 no.4:723-728 J1-Ag '61. (MIRA 15:6)

1. Institute of Biochemistry, Academy of Sciences of the USSR, Moscow.

(ALKALOIDS) (NIGHTSHADE) (MEVALONIC ACID)

JUSEVA, A.R.; PASESHNICHENKO, V.A.; BORIKHINA, M.G.

Inclusion of $C^{14}O_2$ into glycoalkaloids in the leaves of *Solanum aviculare*. *Biokhimiia* 28 no.4:709-711 J1-Ag '63.

(MIRA 18:3)

1. Institut biokhimiim imeni Bakha AN SSSR, Moskva.

GUSEVA, A.R.; PASESHNICHENKO, V.A.; BORIKHINA, M.G.; MOISEYEV, R.K.

Determination of steroid glycoalkaloids in *Solanum laciniatum*.
Biokhimiia 30 no.2:260-264 Mr--Ap '65.

(MIRA 18:7)

1. Institut biokhimii imeni Bakha AN SSSR, Moskva.

BORIKHINA, M.G.; PASESHNICHENKO, V.A.; GUSEVA, A.R.

Quantitative determination of β -phenylethyl alcohol in essential
oils. Prikl. biokhim. i mikrobiol. 1 no. 6:689-692 N-D '65.
(MIRA 18:12)

1. Institut biokhimii imeni Bakha AN SSSR. Submitted April 16,
1965.

BORIKOV, K.A., kand. sel'skokhozyaystvennykh nauk; LETUCHEV, K.P., mladshiy
nauchnyy sotrudnik

Development of the Askania breed in the southern Ukraine. Trudy
"Ask.-Nov." 6:3-26 '57. (MIRA 11:12)
(Ukraine--Sheep)

BORIKOVA, E.; KOPECNY, Jaroslav

Acute myositis probably due to coxsackie infection. Cesk. neur.
20 no.2:81-88 Mar 57.

1. Infekcni oddeleni KUMZ v Plzni, prednosta Dr. J. Zdaril, a
Pathologicko-anatomicky ustav lekarske fakulty v Plzni, prednosta
doc. Dr. J. Vanek.

(COXSACKIE VIRUSES, infect.
causing myositis, diag. (Cz))
(MYOSITIS, etiol. & pathogen.
coxsackie virus infect. (Cz))

BORIK, O.; BORIKOVA, J.

The student years of Kutvirt in Plzn. Cesk. otolar. 10 no.4:249-255
Ag '61.

1. Klinika nemoci usnich, nosnich a krenich lekarske fakulty KU v
Plzni, prednosta prof. dr. F. Kotyza.

(BIOGRAPHIES)

MIL'KO-CHERNOMORETS, Nikolay Antonovich; BORIKOVA, R.P., red.;
UCHUKHLEBOV, A.A., tekhn. red.

[Investigating the performance of tractor-drawn transportation
units] Issledovanie raboty traktornogo transportnogo agregata.
Minsk, Sel'khozgiz BSSR, 1962. 38 p. (MIRA 15:12)
(Tractors)

BORIKOVSKIY, P.I., doktor istoricheskikh nauk; YAKOMOV, V.P., kandidat biologicheskikh nauk, redaktor.

[New data on the origin of man] Novye dannye o proiskhozhdenii cheloveka. Leningrad, 1955. 45 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy, Leningradskoe otdelenie) (MLRA 8:11)
(Man--Origin)

BORIL, Jan, dr.

Unnecessary stock of material in excess of the plan. Podnik organizace
17 no.2:65-67 F '63.

1. Napako, Praha.

BORIL, Jeronym, MUDr. (gyn. oddl. nemocnice, Litomyšl.)

Experiences with plastic surgery of vagina. Cesk. gyn. 22[37] no.1/2:
14-17 Jan 58.

1. Gynecol. por. odd. OUNZ, Litomyšl.

(VAGINA, surg.

plastic repair of agenesis (Cx))

BORINA, T. V.

Placenta

Basic argyrophil substances of the placenta in normal and pathological conditions.
Akush. i gin. No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

BORIMA, T.V., dotsent

Hemangioma of the female genitalis. Akush. i gin. 32 no.5:70-71
S-O '56. (MIRA 10:11)

1. Iz skushersko-ginekologicheskoy kliniki (zav. - prof. I.B.
Teodor) Chernovitskogo meditsinskogo instituta.
(GENITALIA, FEMALE, neoplasms
angioma)
(ANGIOMA, case reports
enitalia, female)

BORIMA, T.V., dotsent

Administration of antibiotics into the hypogastric artery by the retrograde route in gynecological diseases. Akush.i gin. no.5: 98-100 '61. (MIRA 15:1)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. L.B. Teodor) Chernovitskogo meditsinskogo instituta.
(GYNECOLOGY) (ANTIBIOTICS) (HYPOGASTRIC ARTERY)

BORIMA, T.V. [Boryma, T.V.], dotsent

Controlling shock and the terminal state caused by hemorrhaging
in obstetric and gynecological practice. Ped., akush. i gin.
24 no.1:42-45'62. (MIRA 16:8)

1. Kafedra akusherstva i ginekologii (zav. - prof. L.B.Teodor)
Chernovitskogo meditsinskogo instituta (rektor - prof. M.M.
Koval'ov).

(HEMORRHAGE, UTERINE) (SHOCK)
(DEATH, APPARENT)

BORIMECHKOV, Lilo, asistent.

Oral diseases with pathologic manifestations in the lower
wisdom tooth (gingivostomatitis). Stomatologiya, Sofia no. 5:
306-309 1953.

1. Iz Katedrata po khrurgicheska stomatologiya pri Meditsinskata
akademiia V.Chervenkov; Sofia. Vr.sav. katedrata: dots. G.Popov.
(STOMATITIS,
gingivostomatitis of lower wisdom teeth)
(GINGIVITIS,
gingivostomatitis of lower wisdom teeth)

BORIMECHKOV, L.

DAVIDOV, Sl., prof.; KAVRAKIROV, V., dots.; PENEV, Zl.; ANGELOV, D.;
DEVETAKOV, M.; BORIMECHKOV, L.

Traumatic injuries of the jaw region in Bulgaria. Stomatologija,
Sofia no.3:174-183 1954.

1. Iz Katedrata po khirurgichna stomatologija pri Meditsinskata
akademija V.Chervenkov, Sofia. Zav. katedrata: prof. Sl.Davidov.
(JAWS, wounds and injuries,
statist., Bulgaria)
(WOUNDS AND INJURIES,
jaws, statist., Bulgaria)

BORIMECHKOV, L., asistent

Findings on extraction of the milk teeth. Stomatologiya, Sofia
no.4:232-240 1954.

1. Iz Katedrata po khirurgichna stomatologiya pri Meditsinskata
akademii V.Chervenkov, Sofia. Zav, katedrata: prof. Sl.Davidov.

(TEETH EXTRACTION,
deciduous teeth)

(TEETH, DECIDUOUS,
extraction)

BORIMECHKOV, L.

The osseous repair of mandibular defects by means of bone transplantation. (Experimental research). Nauch. tr. vissh. med. inst. Sofia 41 no.3:35-48 '62.

1. Predstavena ot prof. Sl. Davidov.
(MANDIBULAR INJURIES) (BONE TRANSPLANTATION)

USSR/Human and Animal Physiology - Internal Secretion.
The Thyroid.

T-7

Abs Jour : Ref Zhur - Biol., No 18, 1958, 84360

Author : Borinskaya, A.R.

Inst : ~~University~~ of Kiev.

Title : Carbohydrate and Phosphorus Metabolisms of the Heart in
Hyperthyroidism.

Orig Pub : Nauk. zap. kiivsk. un-t, 1956, 15, No 4, 31-36.

Abstract : The cardiac muscle's general P content in rabbits suffering from hyperthyroidism which has been induced by thyroiodine, remained almost the same. Contents of acid soluble P and of the P component contained in ATP [adenosine triphosphate] decreased, but anorganic P content increased. Specific activities of general and acidsoluble P decreased. Lactic acid content increased, and glycolysis decreased. -- From the author's summary.

Card 1/1

BORIMSKAYA, A.R. [Boryms'ka, A.R.]

Carbohydrate-phosphorus metabolism in D avitaminosis. Visnyk
Kyiv.un. no.1. Ser.biol. no.2:141-186 '58. (MIRA 16:4)
(DEFICIENCY DISEASES) (PHOSPHORUS METABOLISM)
(CARBOHYDRATE METABOLISM)

L 24849-65 ENT(m)/ENP(t)/ENP(b) Pad IJP(c)/ASD(f)-3/APETR JD/WA/JG

ACCESSION NR: AP4046090

S/0126/64/018/003/0385/0388

20
18
B

AUTHOR: Larikov, L. N.; Petrov, Yu. N.; Borimskaya, S. T.

TITLE: The kinetics of the heterogeneous disintegration of a supersaturated solid solution of beryllium in nickel

SOURCE: Fizika metallov i metallovedeniye, v. 18, no. 3, 1964, 385-388

TOPIC TAGS: beryllium, nickel, heterogeneous disintegration, homogeneous disintegration, kinetics, cell growth

ABSTRACT: Based on the results of other authors, the kinetics of the heterogeneous disintegration of a supersaturated solid solution in an Ni alloy with 1.92 W% Be prepared in an induction furnace were investigated. Optical analysis and an electron microscope were applied. The kinetics of the heterogeneous disintegration were plotted in a diagram according to the equation:

$$x_{transf} = 1 - \exp \left[-b_s^{-1/3} / s(a_s) \right].$$

Card 1/2

L 24849-65

ACCESSION NR: AP4046090

2

Disintegration is controlled by the diffusion of the atoms of the alloying elements that are contained in the precipitating phase. The evaluation of the linear rate of growth of eutectoid-type cells which are composed of alternate lamina of the precipitating phase and the depleted matrix was carried out with a view to the effect of the length of isothermal annealing on the maximum size of the cells in the direction of their growth. At the initial stage, the heterogeneous disintegration is accompanied by homogeneous disintegration contrary to the processes in other alloys where the heterogeneous disintegration sets in 50 hours after the beginning of annealing at 800C. All experimental data coincided with the work of other authors. The contribution of N. N. Buynov is acknowledged. Orig. art. has: 3 figures, 6 equations, and 1 table

ASSOCIATION: Institut metallofiziki, AN USSR (Institute of Metal Physics, AN USSR)

SUBMITTED: 16Oct63

ENCL: 00

SUB CODE: MM

NO REF SOV: 009

OTHER: 012

Card 2/2

L 34103-65 EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(b)/EWA(c) Pf-4/Pad IJP(c) JD/HW/JG
ACCESSION NR: AT5005120 S/2601/64/000/019/0148/0154

AUTHOR: Larikov, L. N.; Petrov, Yu. N.; Borinskaya, S. T.

TITLE: Investigation of structural changes with a biphasic decomposition mechanism in Ni-Be alloys

SOURCE: AN UkrSSR. Institut metallofiziki. Sbornik nauchnykh trudov, no. 19, 1964. Voprosy fiziki metallov i metallovedeniya (Problems in the physics of metals and physical metallurgy), 148-154

TOPIC TAGS: biphasic decomposition, work hardening, cell distance, nickel alloy, beryllium alloy, alloy structure, heterogeneous decomposition, alloy hardness, xray analysis

ABSTRACT: The authors discuss the structural changes occurring during biphasic decomposition in 8 x 6 x 2 mm specimens of Ni (99.99%) with 1.92% Be prepared in a high-frequency vacuum furnace. The initial stages of the decomposition processes in supersaturated solid solutions of Be in Ni are characterized by an appreciable work-hardening of the specimens (see Fig. 1 of the Enclosure). At elevated temperatures, maximum work-hardening is induced by shorter holding periods and lesser quantities of the transformed volume. The interlaminar cell distance

Card 1/4

L 34103-65

ACCESSION NR: AT5005120

was calculated by standard methods and diagrams were plotted showing the effect of the number of cells on cell distance. The mean value of the real minimum distance was derived from extrapolation on the vertical axis of the extrapolated straight line obtained at different isothermal annealing periods. The authors found that in their experiments the value of the minimum interlaminar distance did not change with annealing time but increased with the rise in temperatures, proving that the processes develop under different conditions. Orig. art. has: 6 figures.

ASSOCIATION: Institut metallofiziki AN Ukr.SSR (Metal physics institute, AN Ukr.SSR)

SUBMITTED: 06Jul63

ENCL: 02

SUB CODE: MM

NO REF SOV: 005

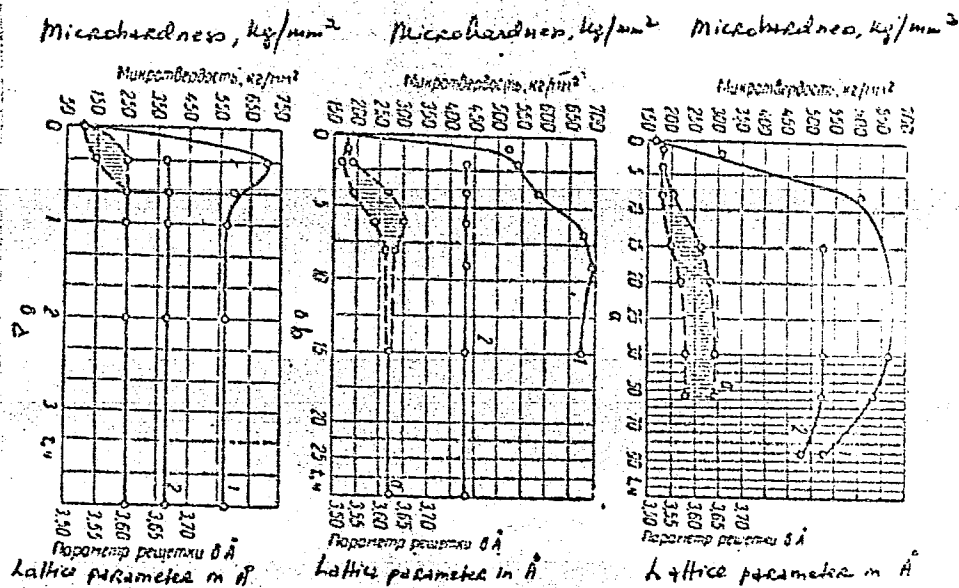
OTHER: 005

Card 2/4

L 34103-65

ACCESSION NR: AT5005120

ENCLOSURE: 01



Card 3/4

L 34203-65

ACCESSION NR: AT5005120

ENCLOSURE: 02

Figure 1. Heterogeneous decomposition in an Ni - Be alloy investigated by X-ray examination and microhardness tests: (a) annealing temperature 450 C; (b) same, 500 C; (c) same, 550 C; (1) microhardness of light zones; (2) microhardness of dark zones.

Card 4/4

AYZEN/ERG, D.Ye.; BELEVTSSEV, Ya.N.; BORDUNOV, I.N.; BORISENKO, S.T.;
BULKIN, G.A.; GORLITSKIY, B.A.; DOVGAN', M.N.; ZAGORUYKO,
L.G.; KAZAKOV, L.R.; KALYAYEV, G.I.; KARASIK, M.A.; KACHAN,
V.G.; KISELEV, A.S.; LAGUTIN, P.K.; LAZARENKO, Ye.K.;
LAZARENKO, E.A.; LAPITSKIY, E.M.; LAPCHIK, F.Ye.; LAS'KOV,
V.A.; LEVENSHTeyN, M.L.; MALAKHOVSKIY, V.F.; MITKEYEV, M.V.;
PRUSS, A.K.; SKARZHINSKIY, V.I.; SKURIDIN, S.A.; SOLOV'YEV,
F.I.; STRYGIN, A.I.; SUSHCHUK, Ye.G.; TEPLITSKAYA, N.V.;
FEDYUSHIN, S.Ye.; FOMENKO, V.Yu.; SHKOLA, T.N.; SHTERNOV,
A.G.; YAROSHCHUK, M.A.; ZAVIRYUKHINA, V.N., red.

[Problems of metallogeny in the Ukraine] Problemy metallo-
genii Ukrainy. Kiev, Naukova dumka, 1964. 254 p.

(MIRA 18:1)

1. Akademiya nauk URSR, Kiev. Instytut geologichnykh nauk.

L 37653-66 EWT(m)/T/EWP(t)/ETI IJP(c) JH/JD/JG
 ACC NR: AP6017314 (N) SOURCE CODE: UR/0126/66/021/005/0797/0799

AUTHORS: Borinskaya, S. T.; Larikov, L. N.; Plotnikova, N. P. 59
 ORG: Institute of Metal Physics, AN UkrSSR (Institut metallofiziki AN UkrSSR) B

TITLE: Investigation of the weakening effect due to annealing in neutron irradiated
single crystals of Al, Cu, and Mo 16

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 5, 1966, 797-799 19

TOPIC TAGS: metallurgic research, neutron irradiation, metal crystal, aluminum, copper, molybdenum, metal recrystallization, annealing

ABSTRACT: The effect of annealing on the strength of neutron irradiated single crystals of Al, Cu, and Mo was studied. The strength of the single crystals was assessed by means of microhardness measurements. The structural changes occurring during annealing were studied by x-ray techniques. The experimental procedure followed is described by V. M. Danilenko and G. Ya. Kozyrskiy (Sb. Voprosy fiziki metallov i metallovedeniya, No. 11, Kiyev, Izd. AN UkrSSR, 1960, str. 150), and V. P. Vertebnyy, M. F. Vlasov, V. V. Kolotyy, A. N. Maystrenko, and M. V. Pasechnik (Atomnaya energiya, 1962, 12, 4, 324). The experimental results are presented graphically (see Fig. 1), showing that none of the irradiated single crystals investigated undergoes recrystallization. It is concluded that the strengthening effect of neutron irradiation on the single crystals of Al, Cu, and Mo is not due to a recrystallization process.

Card 1/2

UDC: 548.0:539

L 37653-66

ACC NR: AP6017314

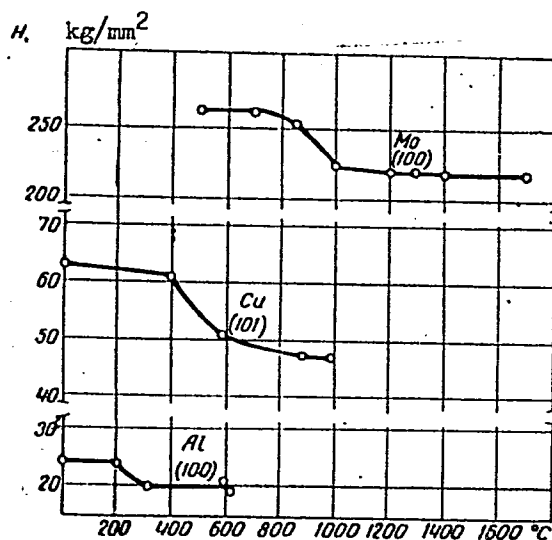


Fig. 1. Change in the microhardness of irradiated single crystals of Al, Cu, and Mo as a function of the annealing temperature.

Orig. art. has: 3 figures.

SUB CODE: 11,20/SUBM DATE: 04Jan65/ ORIG REF: 007/ OTH REF: 004

Card 2/2

ACC NR: AP7005754

(N)

SOURCE CODE: UR/0126/67/023/001/0101/0105

AUTHOR: Belyakova, M. N.; Borinskaya, S. T.; Z asimchuk, Ye. E.; Larikov, L. N.

ORG: Institute of Metal Physics, AN UkrSSR (Institut metallofiziki AN UkrSSR)

TITLE: Kinetics of primary, cumulative and secondary recrystallization in molybdenum foil

SOURCE: Fizika metallov i metallovedeniye, v. 23, no. 1, 1967, 101-105

TOPIC TAGS: metal recrystallization, metal deformation, molybdenum, x ray diffraction analysis, crystal orientation / SRS type scintillation counter

ABSTRACT: The investigation was performed on Mo foil containing ~0.5% Ti and subjected to prior 80% deformation by rolling. The pole figure of the foil in deformed state (Fig. 1) was subjected to x-ray diffraction analysis, with hard radiation being recorded by means of a SRS type scintillation counter. Structure of the foil was examined with the aid of electropolishing in a mixture of methyl alcohol and sulfuric acid in the presence of a current density of 6 a/cm² with subsequent etching of the surface with a solution consisting of 1 part HNO₃ + 1 part HCl. The texture of the deformed foil is chiefly described by the orientation (100) [011] as well as (112) [110] with rotation through 4-6° with respect to the direction of rolling

Card 1/4

UDC: 669.28:548.5

ACC NR: AP7005754

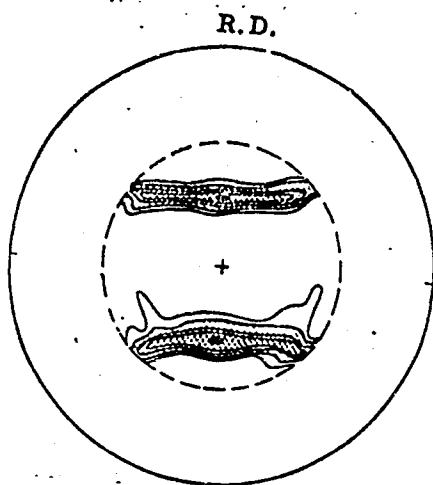


Fig. 1. Pole figure of molybdenum foil in deformed condition

about the axis perpendicular to the rolling plane. The temperature dependence of the growth rate of nuclei of primary recrystallization was investigated at 1050-1150°C. Subsequent annealing of the recrystallized foil at >2000°C led to its cumulative recrystallization -- gradual en-

Card 2/4

ACC NR: AP7005754

largement of grains. The texture of primary recrystallization is described by the same orientations as the texture of deformation (Fig. 2) and is obtained from the texture of deformation by

R.D.

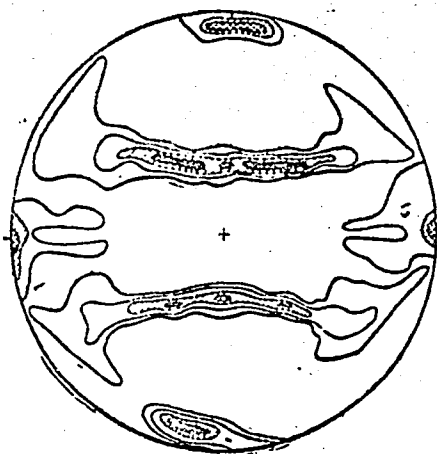


Fig. 2. Pole figure of molybdenum foil in recrystallized condition

rotation through 12-15° relative to the direction of rolling about the axis perpendicular to the plane of the foil. The kinetics of the formation and growth of anomalous grains in the foil

Card 3/4

ACC NR: AP7005754

greatly resembles the kinetics of formation and growth of nuclei of primary recrystallization in polycrystalline material. The texture of secondary recrystallization is described by the orientation (100) [001] or (110) [001] depending on the annealing atmosphere. The shape of the anomalous grains arising on annealing of molybdenum foil is evidently associated with the original metallographic texture of the deformed foil and with the characteristic distribution of impurities along the boundaries of the extended grains, such that grain growth in the direction perpendicular to the direction of rolling is impeded. In thicker specimens which had not been subjected to prior deformation by rolling the shape of anomalous grains was equiaxial. Orig. art. has: 7 figures, 4 formulas.

SUB CODE: 20, ¹¹13/ SUBM DATE: 20Apr66/ ORIG REF: 008/ OTH REF: 008

Card 4/4

BORIN, A.

RT-786 /Calculation of lider loads/ Peregruzki kryla planera.
Samolet, 13(10): 30-33, 1936.

BORIN, A.

Mastership means research. Izobr. i rats. no. 5:34-35 My '61.
(MIRA 14:5)

1. Spetsial'nyy korrespondent zhurnala "Izobretatel' i ratsionaliza-
tor," g. Pervoural'sk.
(Pervoural'sk—Pipe mills)

BORIN, A.
BORIN, A.

Magnetic sound recorder can record pictures. IUn.tekh.no.12:41-42
D '57. (MIRA 10:12)

(Magnetic recorders and recording)

BORIN, A.

Organization of an experimental base. Izobr. i rats. no.9:
21-23 S '58. (MIRA 11:10)
(Research, Industrial)